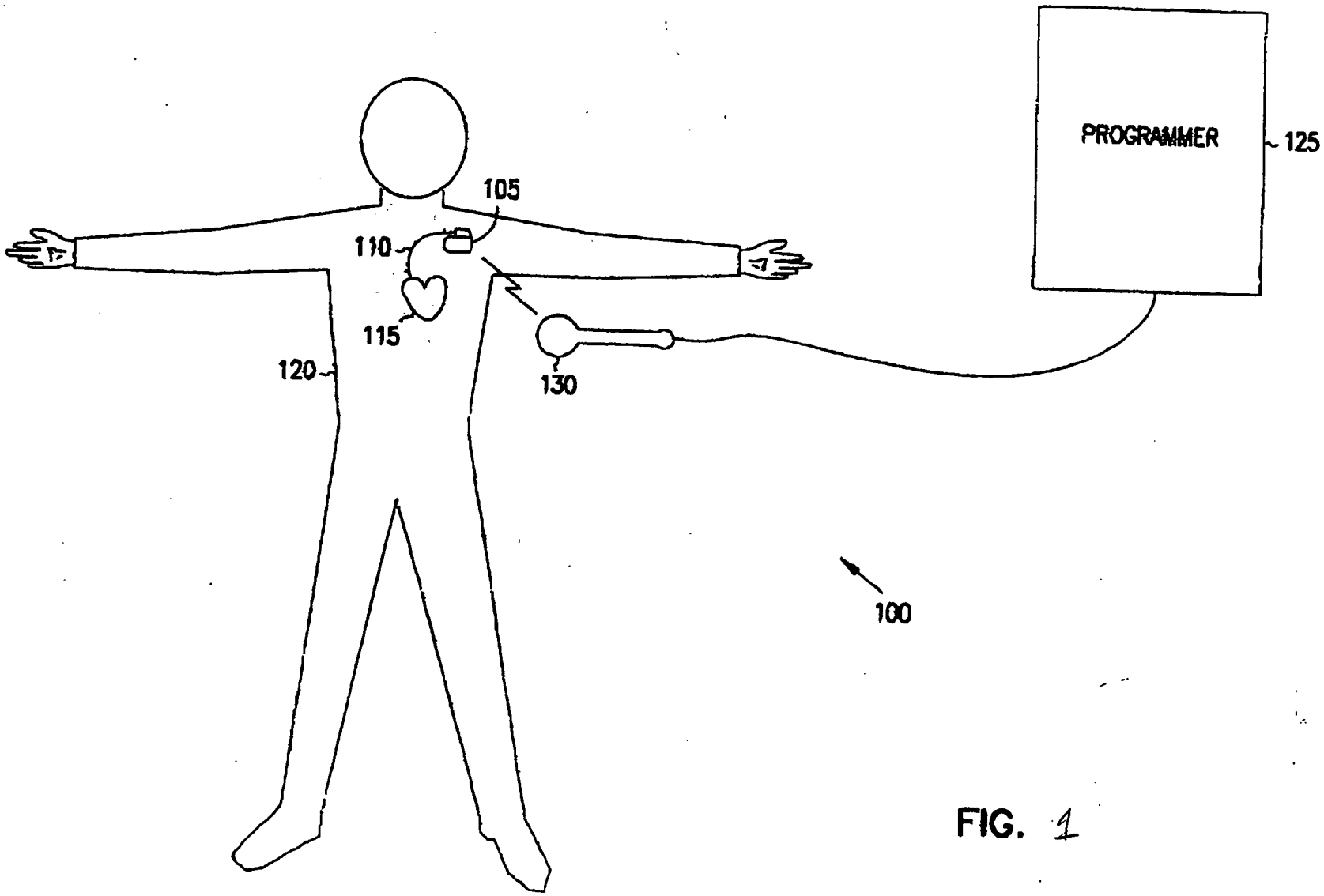

FIG. 1

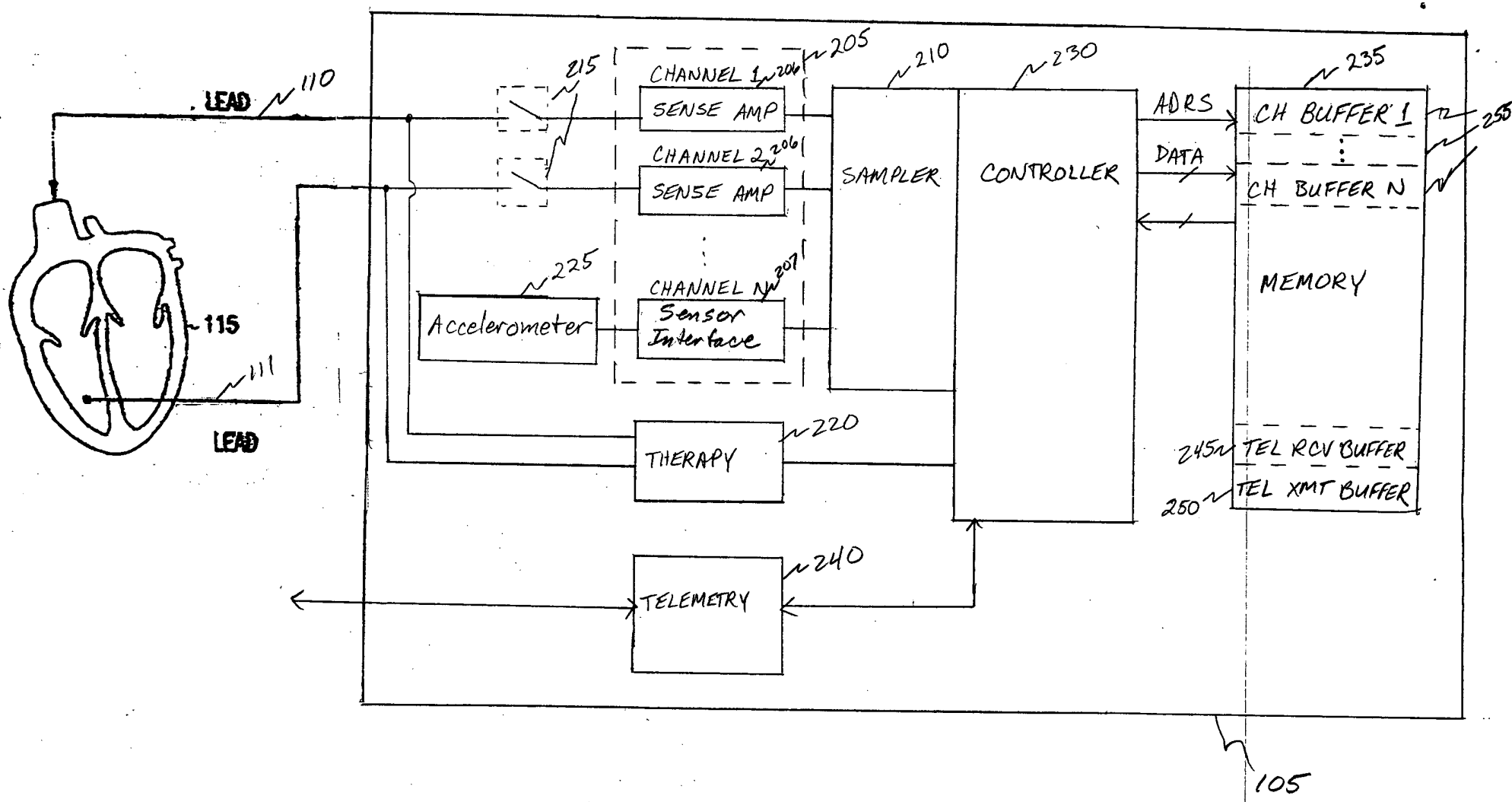
LEAD
110
115
111
LEAD
215
205
CHANNEL 1
206
SENSE AMP
CHANNEL 2
206
SENSE AMP
CHANNEL N
207
Sensor Interface
225
Accelerometer
210
SAMPLER
230
CONTROLLER
ADRS
DATA
235
CH BUFFER 1
CH BUFFER N
255
MEMORY
THERAPY
220
245
TEL RCV BUFFER
250
TEL XMT BUFFER
TELEMETRY
240
105

FIG. 2

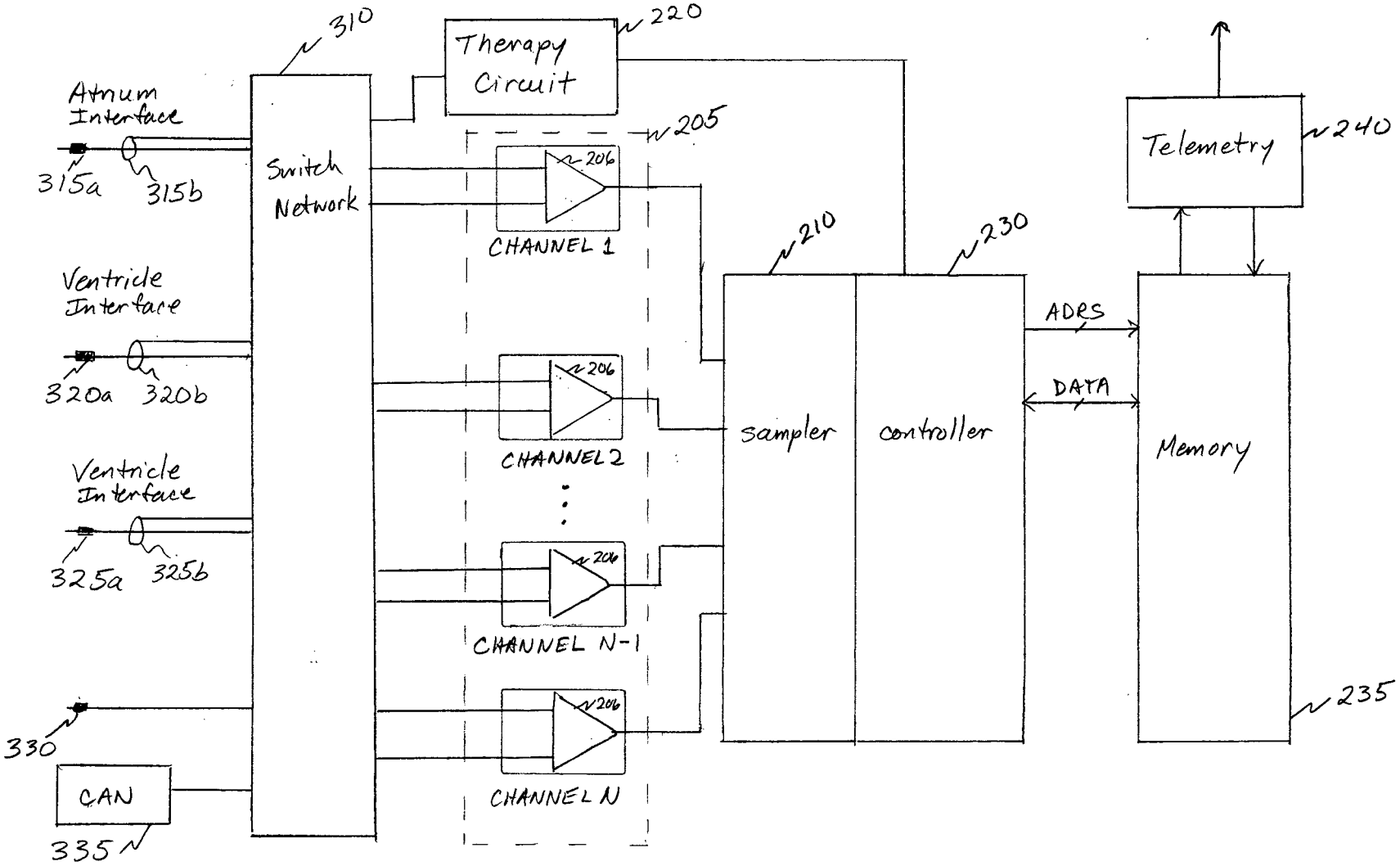
310
Therapy Circuit
220
Atrium Interface
315a
315b
Switch Network
205
206
CHANNEL 1
Telemetry
240
210
230
Ventricle Interface
320a
320b
CHANNEL 2
ADRS
DATA
sampler
controller
Memory
Ventricle Interface
325a
325b
CHANNEL N-1
235
330
CAN
335
CHANNEL N

FIG. 3

CONFIGURABLE BUFFERS

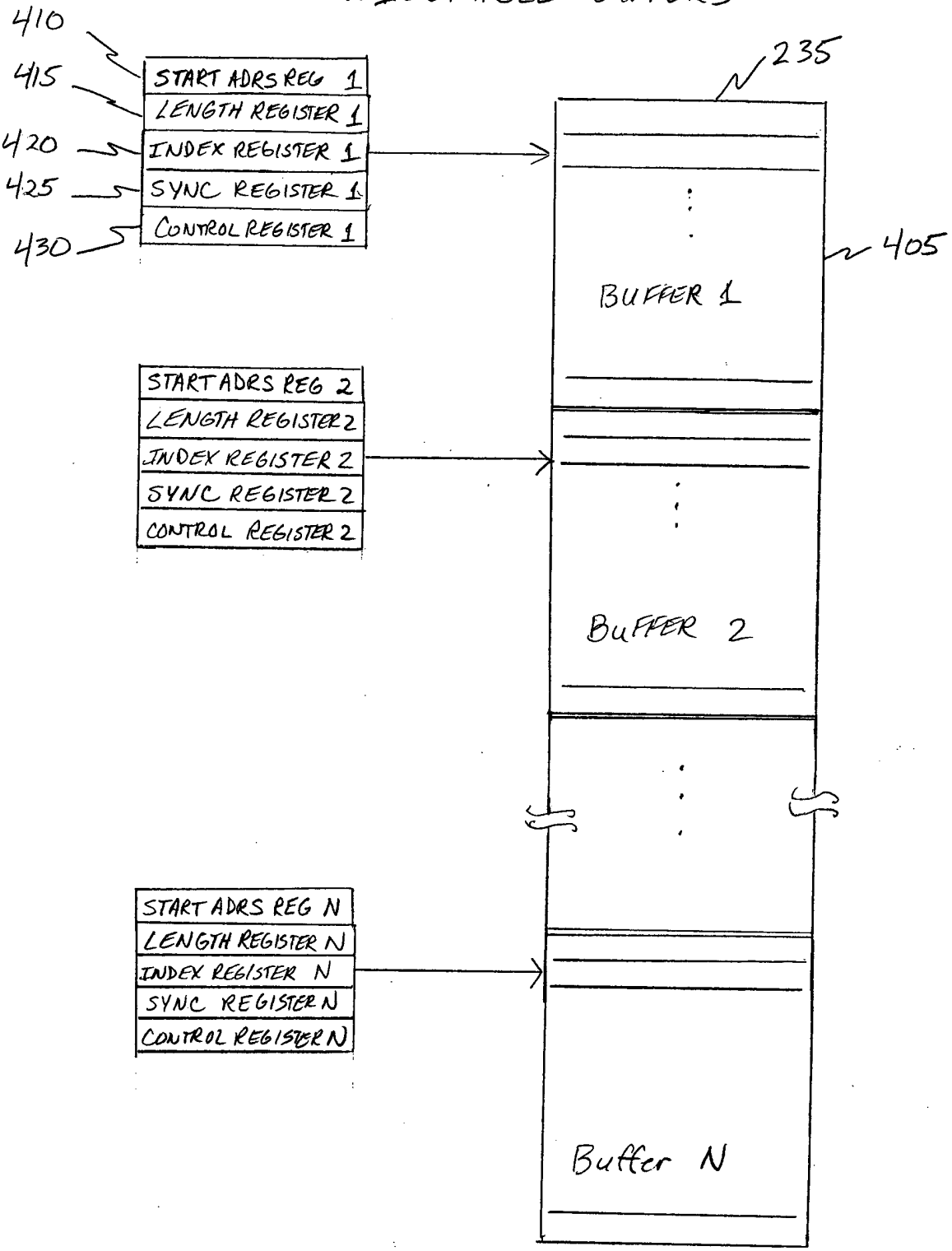

FIG. 4

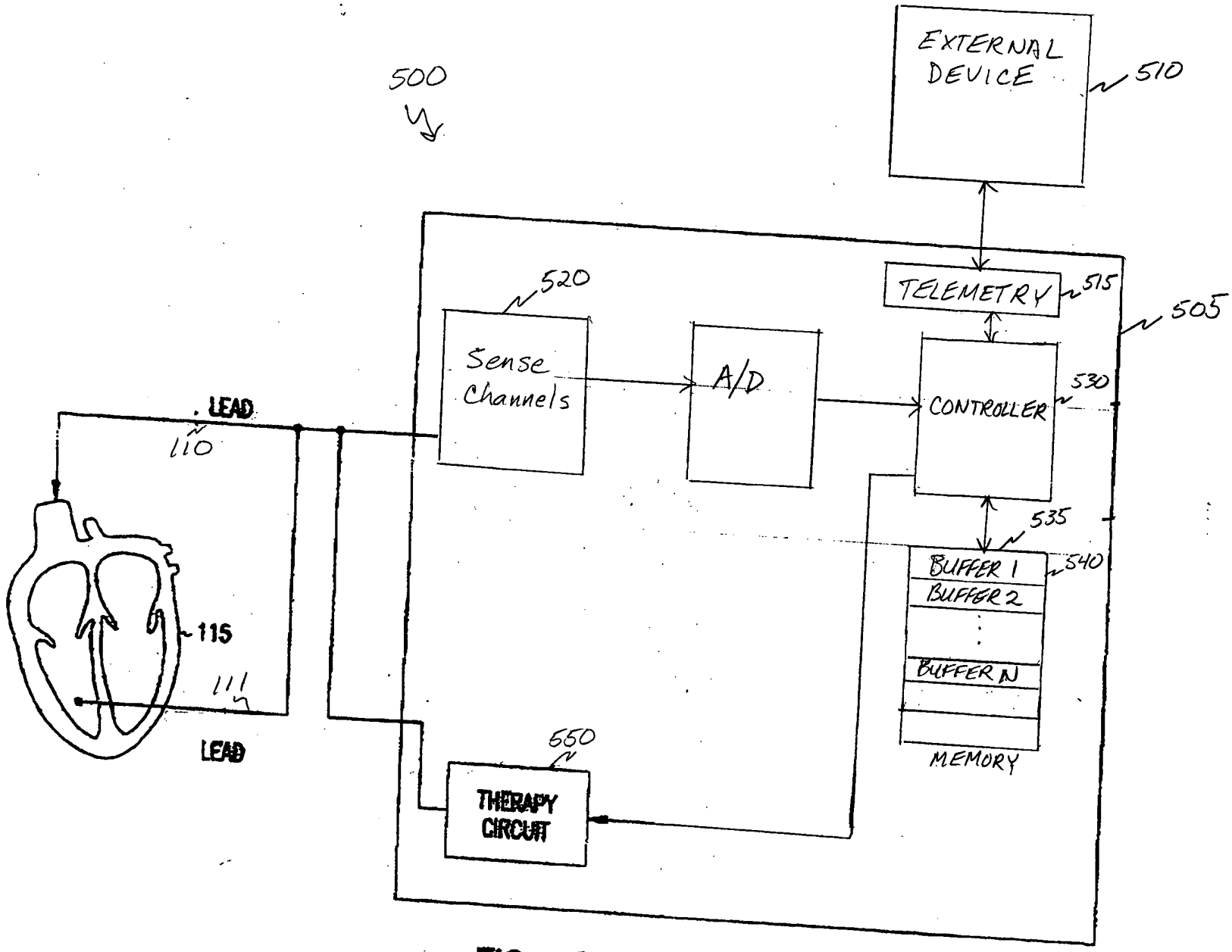
500
EXTERNAL DEVICE
510
TELEMETRY
515
505
520
Sense Channels
A/D
CONTROLLER
530
LEAD
110
535
BUFFER 1
BUFFER 2
BUFFER N
540
MEMORY
115
111
LEAD
650
THERAPY CIRCUIT

FIG. 5

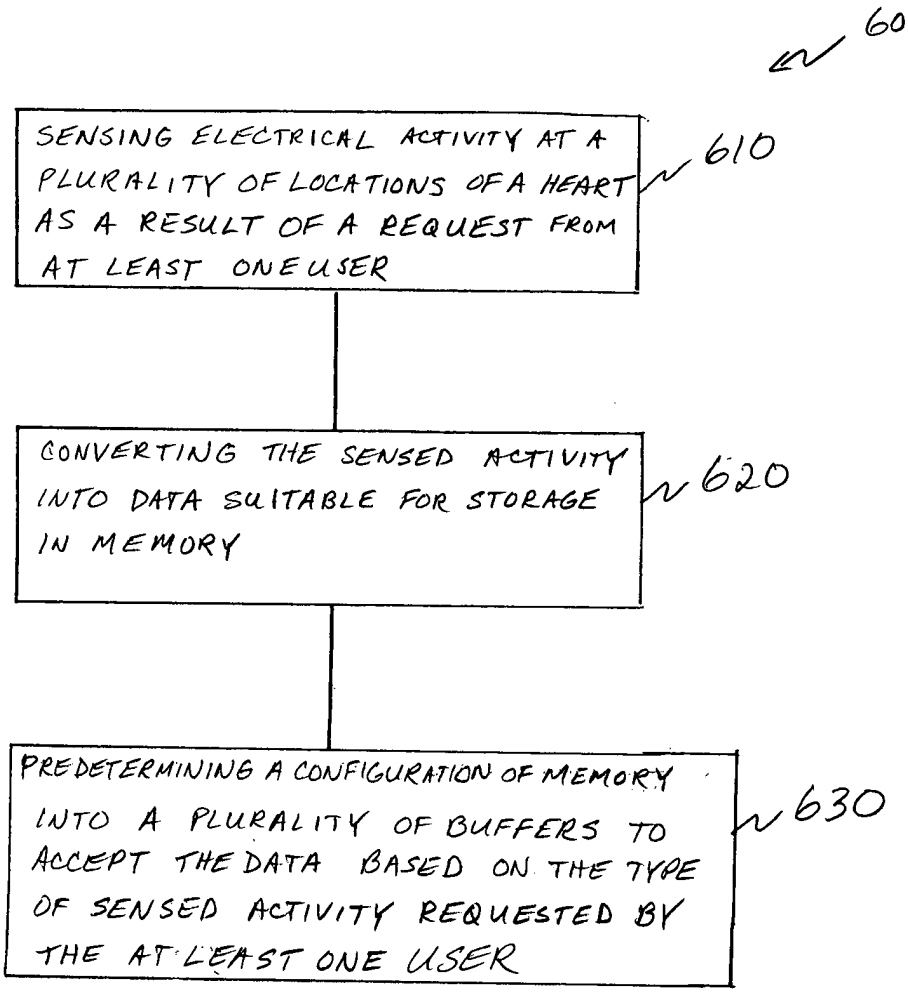
600
SENSING ELECTRICAL ACTIVITY AT A PLURALITY OF LOCATIONS OF A HEART AS A RESULT OF A REQUEST FROM AT LEAST ONE USER
610
CONVERTING THE SENSED ACTIVITY INTO DATA SUITABLE FOR STORAGE IN MEMORY
620
PREDETERMINING A CONFIGURATION OF MEMORY INTO A PLURALITY OF BUFFERS TO ACCEPT THE DATA BASED ON THE TYPE OF SENSED ACTIVITY REQUESTED BY THE AT LEAST ONE USER
630

FIG. 6